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RD-41 REV. 4-54

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

cc: Doyle Long
R. G. Sherman

Remington

QUAD

File M 1600

RECEIVED

April 6, 1979

APR 10 1979

J. A. STEKL

To: J. A. Stekl

From: E. G. Larson

Jim:

Enclosed are two trigger assemblies that were recently sent to Doyle Long for use in replacement of triggers in recalled guns. These were part of 10 triggers he received.

On one, the detent ball is missing, and the safety just flops back and forth. Doyle found the fold on the upper section of the retainer was broken off. In looking at it with a low power glass, it appears to have been an old break.

The second trigger assembly, which has tape on it, when used as a replacement in the gun Doyle was repairing, would fire on closing whenever the bolt was opened and retracted, and then moved forward and closed.

The only way he could prevent it from firing on closing was to lift the bolt handle gently, and then close it gently without retracting it at all.

Doyle called me, and I asked that he return these two to me as received, so that we could determine the cause.

Please have these examined by plant and/or R. & D., and advise as to their findings.



E. G. Larson

E. G. Larson

EGL:lb
Encl.

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PLAINTIFF'S
EXHIBIT

3016

AL 0014714

1 of 3

TO: G. J. HILL

5-17-79

FROM: BILL WARREN

2 RETURNED M1600 TRIGGER ASSEMBLIES FROM DOYLE CONG

1ST UPPER LOCATING TAB OF SAFETY DETENT SPRING IS BROKEN OFF. I EXAMINED IT UNDER 23 X STEREO MAGNIFICATION. THE BREAK IS BRIGHT - NO EVIDENCE OF HEAT TREAT COLORATION @ FRACTURE.

FOR A SHORT TIME, THIS SPRING WAS RESHAPED BY SUB-ASSEMBLERS TO IMPROVE BOLT LOCK ARM OPERATION.

THE TAB MAY HAVE BROKEN DURING THIS RESHAPING.

2ND THERE IS NO OBVIOUS EXPLANATION HERE. SEAR ENGAGEMENT IS CORRECT.

REAR SEAR PIN HOLES ARE CORRECT DIAMETER. THEY ARE SLIGHTLY MIS-ALIGNED SIDE TO SIDE. LEFT SIDE HOLE PERIMETER IS SLIGHTLY DAMAGED THIS COULD BE CAUSED BY:

- RECEIVER HOLE SPACING INCORRECT OR/AND
- STARTING NON-CHAMFERED END OF SEAR PIN.

THESE CAN CAUSE THE LEFT SIDE OF THE HOUSING TO BOW-IN SLIGHTLY ADJACENT TO THE HOLE AND BIND THE SEAR

A IN THE DOWN (FIRED) POSITION, ANY SUCH BINDING WOULD LEAD TO SELF-CORRECT AS THE PIN WAS DRIVEN THE OPPOSITE DIRECTION TO REMOVE TRIGGER ASSEMBLY FROM RECEIVER.

THE STAR FREEDOM CHECK IS A ROUTINE PART OF FINAL ASSEMBLY SAFETY CHECKS. THIS CHECK, AND THE CORRECTIVE ACTION, WERE COVERED VERBALLY BY REMINGTON PEOPLE DURING THEIR RECALL INSTRUCTION VISITS TO GUNSMITHS.

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